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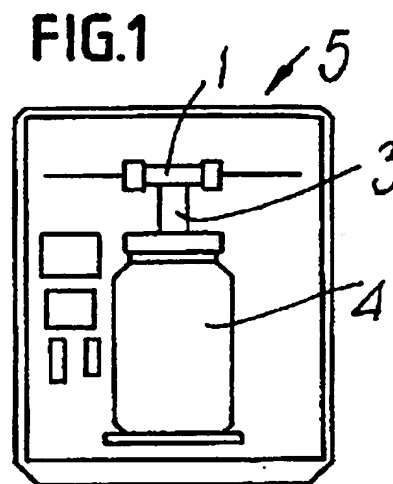
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(54) **Device for electrically vaporizing active principles**

(57) The device for electrically vaporizing active principles comprises at least one element (3) adapted to be impregnated with a substance that contains the active principle to be vaporized and at least one heating element (1) which is adapted to produce the vaporization of the substance that contains the active principle from the impregnated element. The device has a timer which is adapted to control the flow of electric current through the heating element (1) for the selective high-temperature pulsed heating of the heating element (1) to a temperature which is close to the boiling point of the substance that contains the active principle.



EP 0 911 041 A3



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# EUROPEAN SEARCH REPORT

Application Number  
EP 98 11 8332

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cls)
X	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 10, 31 October 1996 (1996-10-31) & JP 08 155018 A (CASIO COMPUT CO LTD), 18 June 1996 (1996-06-18) * abstract * * figures 1,2 *	1,3-7	A61L9/03
X	US 4 695 434 A (SPECTOR DONALD) 22 September 1987 (1987-09-22) * claims *	1-4	
X	GB 2 155 210 A (JENKINSON EDGAR;ALBWARDY INTERNATIONAL AERADIO) 18 September 1985 (1985-09-18) * the whole document *	1-4	
X	PATENT ABSTRACTS OF JAPAN vol. 013, no. 313 (C-618), 17 July 1989 (1989-07-17) & JP 01 097462 A (SANDEN CORP), 14 April 1989 (1989-04-14) * abstract * * figures 1E,2 *	1,3-5,7	TECHNICAL FIELDS SEARCHED (Int.Cls) A61L A01M
X	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 12, 25 December 1997 (1997-12-25) & JP 09 201155 A (DIA GOMME KK), 5 August 1997 (1997-08-05) * abstract * * figures 2,8 *	1,3-5,7	
A	EP 0 689 766 A (FALP SRL) 3 January 1996 (1996-01-03) * figure 1 *	1,7	
The present search report has been drawn up for all claims			
Place of search <b>THE HAGUE</b>		Date of completion of the search <b>1 August 2000</b>	Examiner <b>Muñoz, M</b>
<p><b>CATEGORY OF CITED DOCUMENTS</b></p> <p>X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document</p> <p>T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &amp;: member of the same patent family, corresponding document</p>			

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**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 98 11 8332

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01-08-2000

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
JP 08155018	A	18-06-1996	NONE	
US 4695434	A	22-09-1987	AT 30512 T	15-11-1987
			AU 565441 B	17-09-1987
			AU 1803683 A	01-03-1984
			DE 3374271 D	10-12-1987
			EP 0104758 A	04-04-1984
			JP 1686734 C	11-08-1992
			JP 3052294 B	09-08-1991
			JP 59062057 A	09-04-1984
			US 4556539 A	03-12-1985
			ZA 8306027 A	25-04-1984
GB 2155210	A	18-09-1985	NONE	
JP 01097462	A	14-04-1989	NONE	
JP 09201155	A	05-08-1997	NONE	
EP 0689766	A	03-01-1996	IT 80940118 U	28-12-1995

EPO FORM P/045

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